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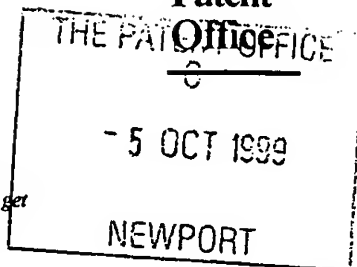
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2. Patent application number (The Patent Office will fill in this part)	9923396.7		- 5 OCT 1999
3. Full name, address and postcode of the or of each applicant (underline all surnames)	John SYKES  The Old Vicarage 36 North Street Scalby Scarborough YO13 0RP  7476633001		
Patents ADP number (if you know it)  If the applicant is a corporate body, give the country/state of its incorporation			
4. Title of the invention	Urinal Facility with Toilet Seat		
5. Name of your agent (if you have one)	Bailey Walsh & Co.		
"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)	5, York Place Leeds LS1 2SD		
Patents ADP number (if you know it)	224001		
If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number	Country	Priority application number (if you know it)	Date of filing (day / month / years)
7. If this application is divided or otherwise derived from an earlier UK application, the earlier application	Number of earlier application		Date of filing (day / month / years)
8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer "Yes" if:	No		
a) any applicant named in part 3 is not an inventor, or b) there is an inventor who is not named as an applicant, or c) any named applicant is a corporate body See note (d)			

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Continuation sheets of this form

Description 3

Claim(s)

Abstract

Drawing(s) 1 + 1

10. If you are also filing any of the following, state how many of each item.

Priority Documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (*Patents Form 7/77*)Request for preliminary examination and search (*Patents Form 9/77*)Request for substantive examination (*Patents Form 10/77*)Any other documents  
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11. I/We request the grant of a patent on the basis of this application

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12. Name and daytime telephone number of person to contact in the United Kingdom

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## Urinal Facility with Toilet Seat

The invention which is the subject of the application is an improvement and additional feature to the invention which is the subject of the applicant's co-pending application no.9921192.2. In that application protection is sought for the use of a sensor which can be provided as part of or for use with a urinal facility. The use of this wording covers any form of urinal facility whether it be a wall mounted facility or a facility incorporating a toilet seat. In the co-pending application the specific examples relate to a wall mounted facility and for the sake of clarity the current application provides an embodiment wherein the urinal facility is provided in the form of a toilet seat.

Thus in a first aspect of this invention there is provided a toilet seat having mounted thereon or therein a sensor, said sensor activated by the presence of a person on said seat or in the vicinity of the same.

In another aspect of the invention there is provided a urinal facility incorporating a toilet seat, said facility provided with a display system, comprising a display screen and at least one sensor for detecting the presence of a person using the facility.

In one embodiment the sensor is provided within the toilet seat and reacts to the pressure applied thereon when a person sits on the same so that the sensor can be maintained in the activated state for as long as the person remains on the seat. When the person leaves the seat the pressure on the sensor changes and so the sensor can be used to sense the number of occasions on which the facility is used in any given time, by utilising appropriate processing apparatus to receive the sensor signals. In another embodiment the sensor is a switch device mounted on the seat to contact with the base of the

facility with increased pressure when a person sits on the seat. In yet another embodiment the sensor may be a detector mounted in a position adjacent to the seat and which is positioned so as to detect when a person is sitting on the seat. This form of sensor could be used to detect the presence of a person. In yet another embodiment the sensor could be used to detect the presence of the facility, such as by detecting the presence of a person sitting on the seat or the presence or absence of a person sitting on the seat.

It is envisioned that the sensor will be provided as part of a system which is used to detect the presence of a person sitting on the seat and said screen viewable when a person is sitting on the seat and said screen be provided with advertising material, or other forms of entertainment. The sensor system can be used to indicate to the advertiser the number of persons who are sitting on the seat and therefore the number of persons who are viewing the advertising material. The sensor system can also gauge the effectiveness of the advertising material.

In another embodiment, in addition to the sensor system, the number of persons using the facility, the sensor system can activate and deactivate the display of the advertising material.

In one embodiment the screen or sensor can be mounted as part of the facility furniture such as a toilet roll dispenser. Typically audio facilities are also provided to allow the listening of material to occur.

It should be appreciated that all of the embodiments disclosed in the foregoing application are equally applicable to this embodiment herein described even if not explicitly mentioned herein.

A specific example of the invention is herein described with reference to the accompanying drawings wherein;

Figure 1 illustrates a urinal facility of the type discussed herein and Figure 2 illustrates a toilet seat in one embodiment of the invention.

Referring firstly to Figure 1 there is illustrated a toilet facility in an embodiment which is the subject of the application comprising a urinal 2 with a toilet seat 4, a display screen 6, and a sensor provided as part of the toilet seat. The sensor can be a pressure sensor 8 in the toilet seat annular part 10 which, when a person sits on the seat changes condition, but it should be noted that the sensor used could be any suitable sensor to allow the presence of a person to be sensed. The sensor is connected to a control system (not shown), such that when the change in condition occurs, this is logged on the control system so that an indication can be provided of the number of users of the facility over any given time period. The change in condition can also be used to activate the display of material on the display screen for the duration of a person sitting on the toilet seat. When the person leaves the seat the sensor again changes condition and this can also be logged so as to indicate the time for which the person has been watching the advertising material, and the display of the material is stopped until the presence of the next person to use the facility is sensed and so on.

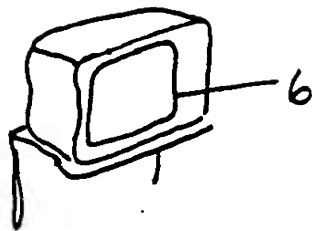


Figure 1

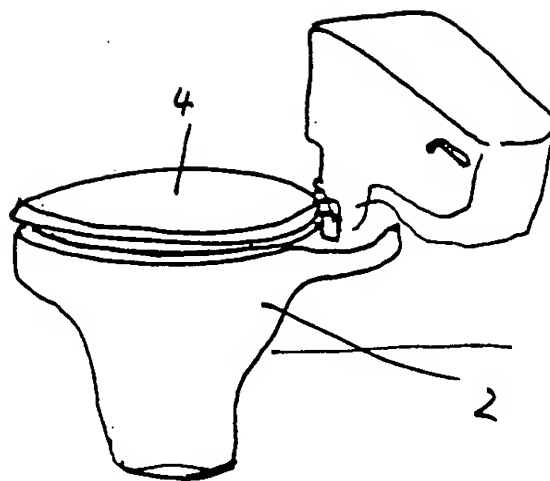


Figure 2

